



SEQUENCE LISTING

<110> MACDONALD, BRIAN R.
KAUSHANSKY, KENNETH

<120> METHODS OF INCREASING PLATELET AND HEMATOPOIETIC STEM
CELL PRODUCTION

<130> PRD-2110-US

<140> 10/667,096
<141> 2003-09-18

<150> 60/411,779
<151> 2002-09-18

<150> 60/411,700
<151> 2002-09-18

<160> 34

<170> PatentIn Ver. 3.3

<210> 1
<211> 14
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
peptide

<400> 1
Ile Glu Gly Pro Thr Leu Arg Gln Trp Leu Ala Ala Arg Ala
1 5 10

<210> 2
<211> 15
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
peptide

<220>
<221> MOD_RES
<222> (15)
<223> Beta-Ala

<400> 2
Ile Glu Gly Pro Thr Leu Arg Gln Trp Leu Ala Ala Arg Ala Ala
1 5 10 15

<210> 3
<211> 14
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
peptide

<220>
<221> MOD_RES
<222> (1)
<223> Ac-Ile

<220>
<221> MOD_RES
<222> (3)
<223> Sar

<220>
<221> MOD_RES
<222> (9)
<223> 1-Nal

<400> 3
Ile Glu Xaa Pro Thr Leu Arg Gln Xaa Leu Ala Ala Arg Ala
1 5 10

<210> 4
<211> 15
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
peptide

<220>
<221> MOD_RES
<222> (1)
<223> Ac-Ile

<220>
<221> MOD_RES
<222> (3)
<223> Sar

<220>
<221> MOD_RES
<222> (9)
<223> 1-Nal

<220>
<221> MOD_RES
<222> (15)
<223> Beta-Ala

<400> 4
 Ile Glu Xaa Pro Thr Leu Arg Gln Xaa Leu Ala Ala Arg Ala Ala
 1 5 10 15

<210> 5
 <211> 14
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence: Synthetic
 peptide

<220>
 <221> MOD_RES
 <222> (14)
 <223> Beta-Ala

<400> 5
 Ile Glu Gly Pro Thr Leu Arg Gln Trp Leu Ala Ala Arg Ala
 1 5 10

<210> 6
 <211> 12
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence: Synthetic
 peptide

<220>
 <221> MOD_RES
 <222> (11)
 <223> Ava

<400> 6
 Ile Glu Gly Pro Thr Leu Arg Gln Trp Leu Xaa Arg
 1 5 10

<210> 7
 <211> 13
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence: Synthetic
 peptide

<220>
 <221> MOD_RES
 <222> (11)
 <223> Ava

<220>
 <221> MOD_RES
 <222> (13)
 <223> Beta-Ala

<400> 7
 Ile Glu Gly Pro Thr Leu Arg Gln Trp Leu Xaa Arg Ala
 1 5 10

<210> 8
 <211> 14
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence: Synthetic
 peptide

<220>
 <221> MOD_RES
 <222> (14)
 <223> N-methyl-Ala

<400> 8
 Ile Glu Gly Pro Thr Leu Arg Gln Trp Leu Ala Ala Arg Ala
 1 5 10

<210> 9
 <211> 15
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence: Synthetic
 peptide

<220>
 <221> MOD_RES
 <222> (14)
 <223> N-methyl-Ala

<220>
 <221> MOD_RES
 <222> (15)
 <223> Beta-Ala

<400> 9
 Ile Glu Gly Pro Thr Leu Arg Gln Trp Leu Ala Ala Arg Ala Ala
 1 5 10 15

<210> 10
 <211> 14
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence: Synthetic peptide

<220>
 <221> MOD_RES
 <222> (1)
 <223> Ac-Ile

<220>
 <221> MOD_RES
 <222> (14)
 <223> N-methyl-Ala

<400> 10
 Ile Glu Gly Pro Thr Leu Arg Gln Trp Leu Ala Ala Arg Ala
 1 5 10

<210> 11
 <211> 15
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence: Synthetic peptide

<220>
 <221> MOD_RES
 <222> (1)
 <223> Ac-Ile

<220>
 <221> MOD_RES
 <222> (14)
 <223> N-methyl-Ala

<220>
 <221> MOD_RES
 <222> (15)
 <223> Beta-Ala

<400> 11
 Ile Glu Gly Pro Thr Leu Arg Gln Trp Leu Ala Ala Arg Ala Ala
 1 5 10 15

<210> 12
 <211> 14
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence: Synthetic peptide

<220>
<221> MOD_RES
<222> (13)
<223> p-amino-Phe

<400> 12
Ile Glu Gly Pro Thr Leu Arg Gln Trp Leu Ala Ala Phe Ala
1 5 10

<210> 13
<211> 14
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
peptide

<220>
<221> MOD_RES
<222> (13)
<223> Ac-Lys

<400> 13
Ile Glu Gly Pro Thr Leu Arg Gln Trp Leu Ala Ala Lys Ala
1 5 10

<210> 14
<211> 14
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
peptide

<220>
<221> MOD_RES
<222> (7)
<223> Ac-Lys

<220>
<221> MOD_RES
<222> (13)
<223> Ac-Lys

<400> 14
Ile Glu Gly Pro Thr Leu Lys Gln Trp Leu Ala Ala Lys Ala
1 5 10

<210> 15
<211> 14
<212> PRT
<213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence: Synthetic peptide

<220>
 <221> MOD_RES
 <222> (9)
 <223> 1-Nal

<220>
 <221> MOD_RES
 <222> (14)
 <223> Beta-Ala

<400> 15
 Ile Glu Gly Pro Thr Leu Arg Gln Xaa Leu Ala Ala Arg Ala
 1 5 10

<210> 16
 <211> 14
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence: Synthetic peptide

<220>
 <221> MOD_RES
 <222> (14)
 <223> Sar

<400> 16
 Ile Glu Gly Pro Thr Leu Arg Gln Trp Leu Ala Ala Arg Xaa
 1 5 10

<210> 17
 <211> 14
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence: Synthetic peptide

<220>
 <221> MOD_RES
 <222> (9)
 <223> 1-Nal

<220>
 <221> MOD_RES
 <222> (14)
 <223> Sar

<400> 17
Ile Glu Gly Pro Thr Leu Arg Gln Xaa Leu Ala Ala Arg Xaa
1 5 10

<210> 18
<211> 14
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
peptide

<220>
<221> MOD_RES
<222> (14)
<223> Beta-Ala

<400> 18
Ile Glu Gly Pro Thr Leu Arg Gln Phe Leu Ala Ala Arg Ala
1 5 10

<210> 19
<211> 14
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic
peptide

<220>
<221> MOD_RES
<222> (9)
<223> 1-Nal

<220>
<221> MOD_RES
<222> (13)
<223> Ac-Lys

<220>
<221> MOD_RES
<222> (14)
<223> Sar

<400> 19
Ile Glu Gly Pro Thr Leu Arg Gln Xaa Leu Ala Ala Lys Xaa
1 5 10

<210> 20
<211> 14
<212> PRT
<213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence: Synthetic peptide

<220>
 <221> MOD_RES
 <222> (9)
 <223> 1-Nal

<220>
 <221> MOD_RES
 <222> (13)
 <223> Ac-Lys

<220>
 <221> MOD_RES
 <222> (14)
 <223> Sar

<400> 20
 Ile Glu Gly Pro Thr Leu Arg Glu Xaa Leu Ala Ala Lys Xaa
 1 5 10

<210> 21
 <211> 14
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence: Synthetic peptide

<220>
 <221> MOD_RES
 <222> (9)
 <223> 1-Nal

<220>
 <221> MOD_RES
 <222> (13)
 <223> Ac-Lys

<220>
 <221> MOD_RES
 <222> (14)
 <223> Sar

<400> 21
 Ile Glu Gly Pro Thr Leu Ala Gln Xaa Leu Ala Ala Lys Xaa
 1 5 10

<210> 22
 <211> 14
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence: Synthetic peptide

<220>
 <221> MOD_RES
 <222> (9)
 <223> 1-Nal

<220>
 <221> MOD_RES
 <222> (13)
 <223> Ac-Lys

<220>
 <221> MOD_RES
 <222> (14)
 <223> Sar

<400> 22
 Ile Glu Gly Pro Thr Leu Ala Glu Xaa Leu Ala Ala Lys Xaa
 1 5 10

<210> 23
 <211> 14
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence: Synthetic peptide

<220>
 <221> MOD_RES
 <222> (9)
 <223> 1-Nal

<220>
 <221> MOD_RES
 <222> (13)
 <223> Nle

<220>
 <221> MOD_RES
 <222> (14)
 <223> Sar

<400> 23
 Ile Glu Gly Pro Thr Leu Arg Gln Xaa Leu Ala Ala Xaa Xaa
 1 5 10

<210> 24
 <211> 14
 <212> PRT
 <213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic peptide

<220>
<221> MOD_RES
<222> (7)
<223> Nle

<220>
<221> MOD_RES
<222> (9)
<223> 1-Nal

<220>
<221> MOD_RES
<222> (13)
<223> Nle

<220>
<221> MOD_RES
<222> (14)
<223> Sar

<400> 24
Ile Glu Gly Pro Thr Leu Xaa Gln Xaa Leu Ala Ala Xaa Xaa
1 5 10

<210> 25
<211> 12
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic peptide

<220>
<221> MOD_RES
<222> (11)
<223> Abu

<220>
<221> MOD_RES
<222> (12)
<223> DipheAla

<400> 25
Ile Glu Gly Pro Thr Leu Arg Gln Trp Leu Xaa Xaa
1 5 10

<210> 26
<211> 13
<212> PRT
<213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence: Synthetic peptide

<220>
 <221> MOD_RES
 <222> (11)
 <223> Abu

<220>
 <221> MOD_RES
 <222> (12)
 <223> Diphe

<220>
 <221> MOD_RES
 <222> (13)
 <223> Beta-Ala

<400> 26
 Ile Glu Gly Pro Thr Leu Arg Gln Trp Leu Xaa Xaa Ala
 1 5 10

<210> 27
 <211> 13
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence: Synthetic peptide

<220>
 <221> MOD_RES
 <222> (11)
 <223> Abu

<220>
 <221> MOD_RES
 <222> (12)
 <223> DipheAla

<400> 27
 Ile Glu Gly Pro Thr Leu Arg Gln Trp Leu Xaa Xaa Arg
 1 5 10

<210> 28
 <211> 14
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence: Synthetic peptide

<220>
 <221> MOD_RES
 <222> (11)
 <223> Abu

<220>
 <221> MOD_RES
 <222> (12)
 <223> Diphe

<220>
 <221> MOD_RES
 <222> (14)
 <223> Beta-Ala

<400> 28
 Ile Glu Gly Pro Thr Leu Arg Gln Trp Leu Xaa Xaa Arg Ala
 1 5 10

<210> 29
 <211> 12
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence: Synthetic
 peptide

<220>
 <221> MOD_RES
 <222> (11)
 <223> Abu

<220>
 <221> MOD_RES
 <222> (12)
 <223> DipheAla

<400> 29
 Ala Asp Gly Pro Thr Leu Arg Glu Trp Ile Xaa Xaa
 1 5 10

<210> 30
 <211> 13
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence: Synthetic
 peptide

<220>
 <221> MOD_RES
 <222> (11)
 <223> Abu

<220>
 <221> MOD_RES
 <222> (12)
 <223> DipheAla

<220>
 <221> MOD_RES
 <222> (13)
 <223> Beta-Ala

<400> 30
 Ala Asp Gly Pro Thr Leu Arg Glu Trp Ile Xaa Xaa Ala
 1 5 10

<210> 31
 <211> 25
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence: Synthetic
 peptide

<220>
 <221> MOD_RES
 <222> (13)
 <223> Ava

<400> 31
 Ala Asp Gly Pro Thr Leu Arg Glu Trp Ile Ser Phe Xaa Ala Asp Gly
 1 5 10 15

Pro Thr Leu Arg Glu Trp Ile Ser Phe
 20 25

<210> 32
 <211> 15
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> Description of Artificial Sequence: Synthetic
 peptide

<400> 32
 Cys Ile Glu Gly Pro Thr Leu Arg Gln Trp Leu Ala Ala Arg Ala
 1 5 10 15

<210> 33
 <211> 14
 <212> PRT
 <213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic peptide

<220>

<221> MOD_RES

<222> (9)

<223> 2-Nal

<400> 33

Ile Glu Gly Pro Thr Leu Arg Gln Xaa Leu Ala Ala Arg Ala
1 5 10

<210> 34

<211> 15

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic peptide

<220>

<221> MOD_RES

<222> (9)

<223> 2-Nal

<220>

<221> MOD_RES

<222> (15)

<223> Sar, Beta-Ala, or not present

<400> 34

Ile Glu Gly Pro Thr Leu Arg Gln Xaa Leu Ala Ala Arg Ala Xaa
1 5 10 15